

## ABSTRACT

A vehicle frame assembly comprises a hydroformed vertical member (e.g., b-pillar), a hydroformed longitudinal member (e.g., roof rail), and a cross member with a transition flange wrapping above or below the longitudinal member. The transition flange provides rounded  
5 corners to enhance the door seal feature. In the preferred embodiment, the transition flange may be integrally formed as part of a stamped cross member or may be a separately formed transition bracket member attached to the cross member.